

TABLE 3-4 RESULTS OF 96-HOUR WATER COLUMN TOXICITY TESTS WITH *Menidia beryllina*, DANIEL ISLAND PROJECT

EA Test Number:	TN-98-273			TN-98-310				
Testing Dates:	23 - 27 July 1998			5 - 9 August 1998				
EA Sample Number:	AT8-400	AT8-401	AT8-416	AT8-402	AT8-403	AT8-404	AT8-405	AT8-406
Sample	CNB-01	CNB-02	SITE WATER	CNB-03	CPB-01	CPB-02	CPB-03	WDB-01
Test Concentration (percent sample)	<u>PERCENT SURVIVAL</u>			<u>PERCENT SURVIVAL</u>				
0 (Control)	96	96	96	95	95	95	95	95
10	94	94	---	96	92	98	92	94
50	26	80	---	88	94	94	94	96
100	0 <sup>(a)</sup>	0 <sup>(a)</sup>	96	20 <sup>(b)</sup>	94	84 <sup>(b)</sup>	92	94
96-hour LC50: (percent sample)	30.0 (25.7-35.0) <sup>(c)</sup>	58.9 (51.7-67.3) <sup>(c)</sup>	NA	75.4 (70.1-81.1) <sup>(c)</sup>	>100	>100	>100	>100

  

EA Test Number:	TN-98-275		TN-98-310		TN-98-330		
Testing Dates:	23 - 27 July 1998		5 - 9 August 1998		13 - 17 August 1998		
EA Sample Number:	AT8-407	AT8-408	AT8-409	AT8-410	AT8-411	AT8-437	
Sample	WDB-02	WDR-01	WDR-02	WDR-03	REFERENCE	SITE WATER	
Test Concentration (percent sample)	<u>PERCENT SURVIVAL</u>			<u>PERCENT SURVIVAL</u>			
0 (Control)	90	90	95	92	92	92	
10	96	90	96	86	92	---	
50	74	94	94	80	98	---	
100	76 <sup>(b)</sup>	86 <sup>(e)</sup>	86 <sup>(d)</sup>	86 <sup>(d)</sup>	92	94	
96-hour LC50: (percent sample)	>100	>100	>100	>100	>100	NA	

(a) Treatments which have no surviving organisms are not statistically analyzed, per EPA.

(b) Significantly different (P=0.05) from the corresponding control.

(c) Values in parentheses represent 95% confidence limits.

(d) Not significantly different (P=0.05) from corresponding control when analyzed for survival, due to higher variability between replicates than samples denoted by footnote (b).

(e) Not significantly different (P=0.05) from corresponding control.

(--) No tests performed on these concentrations.

(NA) Indicates that the LC50 was not performed.

---

(a) Treatments which have no surviving organisms are not statistically analyzed, per EPA.

(b) Significantly different ( $P=0.05$ ) from the corresponding control.

(c) Values in parentheses represent 95% confidence limits.

(d) Not significantly different ( $P=0.05$ ) from corresponding control when analyzed for survival, due to higher variability between replicates than samples denoted by footnote (b).

(e) Not significantly different ( $P=0.05$ ) from corresponding control.

(--) No tests performed on these concentrations.

(NA) Indicates that the LC50 was not performed.